

IAP20 REC'D PCT/PTO 22 DEC 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicants(s): Jan Boer
Bas Driesen
Tim Schenk
Allert Van Zelst

Case: Boer 10-6-6-6
Serial No.: Unassigned
Filing Date: Concurrently Herewith
Group: Unassigned
Examiner: Unassigned

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Signature: Tim M. M. M. Date: December 22, 2005

Title: Methods and Apparatus for Backwards Compatible Communication in a Multiple Input Multiple Output Communication System with Lower Order Receivers

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicant's attorney wishes to bring to the attention of the Patent and Trademark Office the following document listed on the accompanying PTO Form 1449. A copy of the listed item is enclosed.

Other Documents

- /C.E./ 1. Shin et al., "A New Training Symbol Structure to Enhance the Performance of Channel Estimation for MIMO-OFDM Systems," IEEE International Conference on Acoustics, Speech, and Signal Processing Proceedings (ICASSP), Vol. 1 of 6, pgs. IV397-IV400 (April 6, 2003).
- /C.E./ 2. Sun et al., "Training Sequence Assisted Channel Estimation for MIMO OFDM," Wireless Communications and Networking, pgs. 38-43 (March 16, 2003).

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or as an admission that the information cited is considered to be material to patentability or that no other material information exists.

In the event of any non-payment or improper payment of a required fee, the Commissioner is hereby authorized to charge or to credit **Deposit Account No. 50-0762** as required to correct the error. A duplicate copy of this letter is enclosed.

Respectfully submitted,



Date: December 22, 2005

Kevin M. Mason
Attorney for Applicant
Reg. No. 36,597
Ryan, Mason & Lewis, LLP
1300 Post Road, Suite 205
Fairfield, CT 06824
(203) 255-6560

Applicant:

10/562619

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**LIST OF PUBLICATIONS FOR
APPLICANT'S INFORMATION
DISCLOSURE STATEMENT**

IAP20 Rec'd PGT/PTO 22 DEC 2005**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | DOCUMENT NO. | DATE | NAME | CLASS/SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|--------------|------|------|----------------|-------------------------------|
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NO. | DATE | COUNTRY | CLASS/SUBCLASS | TRANSLATION YES NO |
|---------------------|--------------|------|---------|----------------|-----------------------|
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OTHER DOCUMENTS

| EXAMINER INITIAL | REF NO. | AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC. |
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/C.E./

Shin et al., "A New Training Symbol Structure to Enhance the Performance of Channel Estimation for MIMO-OFDM Systems," IEEE International Conference on Acoustics, Speech, and Signal Processing Proceedings (ICASSP), Vol. 1 of 6, pgs. IV397-IV400 (April 6, 2003).

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Sun et al., "Training Sequence Assisted Channel Estimation for MIMO OFDM," Wireless Communications and Networking, pgs. 38-43 (March 16, 2003).

/Candal Elpenord/

07/21/2008

Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.